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## TYPE LOCALITIES OF THE MEGATHYMIDAE

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IT IS NOT POSSIBLE for a person to make a careful systematic or ecological study of any group of lepidoptera unless the type localities of all of the known species and subspecies are well known. In recent years this information has been carefully presented in the original descriptions, however some of our earlier authors were not as careful and we have to do considerable research in order to associate a present habitat with their findings.

In working with the Megathymidae I have found that there are several cases where no specific type locality was given or else the locality was entirely too general. With that in mind this paper presents a list of these localities (Table 1) with the hope that it will make it easier for future workers to have the type localities at hand while they are doing research on this particular group of lepidoptera.

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TABLE 1

## AEGIALE Felder

1. hesperiaris (Walker), vic. Mexico City, D. F., Mexico

## AGATHYMUS Freeman

1. neumoeogeni (Edwards), approx. 9 mi. S. Prescott, Ariz.
2. carlsbadensis (Stallings and Turner), Guadeloupe Mtns., Carlsbad Cavern National Park, N. M., on the Mesa at the head of Yucca Canyon, elevation 5470 feet, pH 7.9.
3. florenceae (Stallings and Turner), Davis Mtns., Scenic Drive, Texas, elev. 6200 ft., pH 5.9.
4. judithae (Stallings and Turner), Hueco Mtns., approx. 8 mi. E. Hueco, Texas, el. 5300 ft., pH 7.3.
5. diabloensis Freeman, Diablo Mtns., approx. 5 mi. W. Victoria Canyon, Texas, el. 5700 ft., pH 7.4.
6. mcalpinei (Freeman), 5.1 mi. N. Marathon, Texas, flats near foothills of Glass Mtns., elev. 4300 ft., pH 7.4.
7. chisoensis (Freeman), Chisos Basin, Texas, elev. 5400ft, pH 5.2.
8. juliae (Stallings and Turner), north of Zarca, Durango, Mexico, on highway 45 at Klm. 1317, elev. 6300 ft.
9. hoffmanni (Freeman), Valle de Mexico, Mexico.
10. evansi (Freeman), Ramsey Canyon, Arizona.
11. belli (Freeman), La Bequilla, Durango, Mexico.
12. aryxna (Dyar), The accepted type of this species is figured in the Biologia Cent. Amer. Lep. Het. III, pl. 69, fig. 4. It represents very well the maculation of the specimens found in the Santa Rita Mtns., Santa Catalina Mtns., on down towards Nogales, Ariz. Murray-Aaron (Ent. News 53: 143) states that he and Morrison collected around Nogales and on down to Hermosillo, Sonora, Mexico. The specimen is labeled N. Sonora, Mexico, Morrison, indicating that the specimen was collected in the general vicinity south of Nogales, Sonora, since Hermosillo is in the central part of the state. We do not know whether the specimen in question was collected on that trip or another that Morrison made by himself; the dates of their collecting trip has been lost. There is some question as to the status of drucei, which was named from fig. 3 in the Biologia by Skinner. One specimen from the Chiricahua Mtns. and one from Ramsey Canyon, Huachuca Mtns., Ariz. are identical with the figure of drucei. Specimens from those two areas deviate slightly from those from the Santa Rita and Santa Catalina Mtns. I would like to indicate the type locality of aryxna as being the western slopes of the Patagonia Mtns., S. E. of Nogales, Sonora, Mexico.
13. baueri (Stallings and Turner), Verde Hot Springs, Yavapai county, Arizona, elev. 4000 ft.
14. freemani Stallings and Turner, nr. Bagdad, Yavapai county, Arizona, elev. 5000 ft.

15. *fieldi* Freeman, Guadalajara, Mexico, Jalisco Highway, 15, klm. 724, elev. 4400 ft.
16. *mariae* (Barnes and Benjamin), Franklin Mtns., El Paso, Texas, approx. elev. 3900 ft., pH 8.4.
17. *micheneri* Stallings, Turner and Stallings, approx. 15 mi. S. Allende, Coahuila, Mexico, elev. 1300 ft., pH 7.0.
18. *stephensi* (Skinner), Mason Valley (La Puerta), San Diego county, Calif.
19. *comstocki* (Harbison), 2 mi. N.E. San Simon, Baja Calif., Mex.
20. *remingtoni* (Stallings and Turner), mountains S. of Jacala, Hidalgo, Mexico, on highway 85, klm. 250, elev. 6000 ft.
21. *estelleae* (Stallings and Turner), plains 56 mi. S.E. Reynosa, Mexico, near General Bravo, Nuevo Leon, elev. 400 ft. pH 7.3.
22. *polingi* (Skinner), Baboquivari Mtns., Pima county, Arizona
23. *alliae* (Stallings and Turner), 15 mi. W. Cameron, Arizona, along canyon of Little Colorado R., elev. 5000 ft.
24. *indeci sa* (Butler and Druce), Costa Rica
25. *rethon* (Dyar), Sierra de Guerrero, Mexico

## TURNERINA Freeman

1. *mexicanus* (Bell), Guanacevi, Durango, Mexico
2. *hazela e* (Stallings and Turner), near Chilpancingo, Guerrero, Mexico, highway 95, klm. 235, elev. 2300 ft.

## MEGATHYMUS Scudder

1. *yuccae* (Boisduval and LeConte)
  - a. *yuccae* (Boisduval and LeConte), Aiken county, South Carolina is here designated type locality as it is the nearest place to Abbot's home in Scriven county, Georgia where he is known to have collected, and where *Yucca* grows. *Yucca smalliana* and *Y. flaccida*.
  - b. *buchholzi* Freeman, Jupiter, Florida. *Yucca gloriosa*
  - c. *stallingsi* Freeman, Caldwell, Kansas. pH 6.1, *Yucca arkansana*.
  - d. *wilsonorum* Stallings and Turner, Victoria, Tamalipas, Mexico. *Yucca treculeana* and *Y. carnerosana*.
  - e. *coloradensis* Riley, vicinity of Colorado Springs, Colo. *Yucca glauca*.
  - f. *navajo* Skinner, Ft. Wingate, Zuni Mtns., New Mexico. *Yucca baccata*.
  - g. *arizonae* Tinkham, Mountain View, Pima county, Arizona. *Yucca elata* and *Y. Thornberi*.
  - h. *martini* Stallings and Turner, Little Rock, Los Angeles county, Calif. *Yucca brevifolia*.
  - i. *browni* Stallings and Turner, Salina, Utah. *Yucca harrimaniae*.
2. *cofaqui* (Strecker), The allotype was collected at Boca Grande, Florida which is here designated as the type locality. The exact locality of origin of the holotype is believed to

- be somewhere in northern Florida near Georgia, collected by Morrison, *Yucca aloifolia*.
3. *harrisi* Freeman, Stone Mountain, Georgia. *Yucca filamentosa*.
  4. *streckeri* (Skinner), Type locality here designated at Petrified Forest area, Arizona as photos of the type agrees best with material from that area. *Yucca Standleyi*, probably.
  5. *texanus* Barnes and McDunnough
    - a. *texanus* Barnes and McDunnough, 2♂♂, 2♀♀ collected by Jacob Boll at Dallas and San Antonio, Texas. To this collector Dallas was North Texas and San Antonio was South Texas. Kerrville, Texas is here designated at the type locality by reason of being the nearest known place to the above where *texanus* may be found, *Yucca glauca*, associate.
    - b. *leusleri* Holland, Sand Hills near Valentine, Nebraska. *Yucca glauca*, probable.
  6. *ursus* Poling, Santa Catalina Mtns., west of Redington, Pima county, Arizona, pH 6.1. *Yucca Schottii*.
  7. *violae* Stallings and Turner, Carlsbad Cavern National Park, New Mexico, elev. 4700 ft., pH 7.5, *Yucca Torreyi*.
  8. *beulahae* Stallings and Turner, near Ixmiquilpan, Hidalgo, Mexico, highway 85, klm. 176, elev. 5700 ft. *Agave*? near *Schottii*.

#### STALLINGSIA Freeman

1. *smithi* (Druce), Amula, Guerrero, Mexico, approx. 3000 ft. *Manfreda maculata*, probable.
2. *maculosus* (Freeman), 2 mi. S. Kingville, Texas, elev. 100 ft., pH 7.0. *Manfreda maculosa*.